

MAJOR SOURCES OF INFORMATION

Elliott, William J., unpublished reports for Benton Engineering, Inc.

Hamm, Dennis L., "Engineering Geology of a Landslide Area at Otay Mesa, San Diego, and a Landslide in Fanita Corona Sub-division, Santee, California," unpublished Senior Research paper, Calif. State University, 1970, and unpublished reports for Southern California Testing Laboratory, Inc.

Hart, Michael W., "Landslides of West-Central San Diego County, California," unpublished Master's thesis, Calif. State University, 1972, and unpublished reports for William S. Krookos and Associates.

Kennedy, Michael P., geological maps prepared for the City of San Diego.

Lough, Charles F., unpublished geologic map of the Poway Community Planning Area and various reports for the County Engineer Department, San Diego County.

Wam, Fred, unpublished reports for CalTrans, State of California.

Other reference may be found in Studies on the Geology and Geologic Hazards of the Greater San Diego Area, California, San Diego Association of Geologists, 1973.

Map compiled by Charles F. Lough, Office of Environmental Management, Environmental Development Agency, San Diego County.

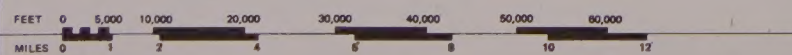
• **LANDSLIDES**

This map has been prepared as an informational appendix to the Seismic Safety Element of the San Diego County General Plan.

COUNTY OF SAN DIEGO

LANDSLIDES

SAN DIEGO COUNTY PLANNING DEPARTMENT
CARTOGRAPHIC SERVICES SECTION



- | | | |
|------------------|--------------------------|-------------------------|
| — FREIGHTWAY | — INCORPORATED AREA | — PERENNIAL DRAINAGE |
| — MAJOR ARTERIAL | — MILITARY RESERVATION | — INTERMITTENT DRAINAGE |
| — COLLECTOR ROAD | — INDIAN RESERVATION | — STATE PARK |
| — RAILROAD | — CLEVELAND NATL. FOREST | — COUNTY PARK |
| — AIRPORT | | |

Incomplete data. This map shows tentative information. Interpretation as to the implication of this information on any specific property should be obtained from a qualified soil engineer or engineering geologist.

Indicates a special study zone as prepared by the State of California, Division of Mines and Geology. The name appearing in the corner of the quadrangle (i.e., Collins Valley) indicates the U.S. Geological Survey 7 1/2 minute topographic quadrangle upon which the study information was prepared.

FAULT MAP

Map compiled from published and unpublished sources by Paul Kantor and Bill Bond under the direction of Charles Lough, Office of Environmental Management.

More detailed maps of many areas are on file in the office of Environmental Management, the Geology Department of San Diego State University, and local soils engineering firms. Locations of epicenters are from a printout provided by California Institute of Technology.

Much of the source material and periodic updating of this map has been provided by the following geologists:

Ernest Artim, Charles J. Pinckney, and Charles G. Bemis (Woodward Gieski and Associates)

William Elliott (Benton Engineering, Inc.)

Michael Hart (William S. Kroskoski and Associates)

Michael P. Kennedy (California Division of Mines and Geology)

Dennis Hannan (Southern California Testing Laboratory, Inc.)

George W. Moore (U.S. Geological Survey)

This map shows information on faults and epicenters only to the degree of accuracy which our present knowledge permits. It will be updated as new information is obtained. Interpretation as to the implications of this information on any specific property should be obtained from a qualified soil engineer or engineering geologist.

- FAULTS**
- CONCEALED FAULTS
 - LOCATED FAULTS
 - INFERRED FAULTS
- EPICENTERS**
- DATA TAKEN 1962 - 1968
 - DATA TAKEN 1934 - 1961
- Magnitude on Richter Scale:
- 6.0 - 6.9
 - 5.0 - 5.9
 - 4.0 - 4.9
 - 3.0 - 3.9
 - 2.0 - 2.9
- ▲ MINOR AFTERSHOCKS
 - ★ MAJOR AFTERSHOCKS

- SPECIAL STUDIES ZONES**
- PUBLIC OWNED LANDS**
- STATE PARKS
 - COUNTY PARKS
 - INDIAN RESERVATIONS
 - MILITARY RESERVATIONS
 - BLM - PUBLIC DOMAIN LANDS
 - CLEVELAND NATIONAL FOREST

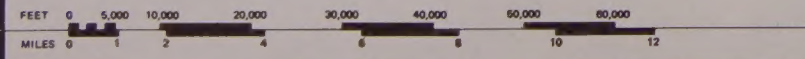
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COUNTY OF SAN DIEGO

FAULTS and EPICENTERS

SAN DIEGO COUNTY PLANNING DEPARTMENT
CARTOGRAPHIC SERVICES SECTION



- FREWAY
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